

Table of flood stages in April 1935—Continued

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI—continued					
Lower Mississippi Basin					
Big Lake Outlet: Manila, Ark.....	Feet 10	Mar. 10	May 1	Feet 17.6	6, 7
St. Francis:					
Fisk, Mo.....	20	1	4	22.3	3
St. Francis, Ark.....	18	Mar. 11	16	20.4	5
St. Francis Lake Lock, Ark.....	27	Mar. 21	9	29.2	Mar. 25-27
Parkin, Ark.....	28	Mar. 30	13	29.1	7, 8
Madison, Ark.....	32	Mar. 29	16	33.4	2-4
Tallahatchie: Swan Lake, Miss.....	26	Jan. 10	(1)	29.6	17
Yazoo: Yazoo City, Miss.....	29	Mar. 5	(1)	36.3	11
Mississippi:					
New Madrid, Mo.....	34	Mar. 13	23	38.4	15-17
Memphis, Tenn.....	34	Mar. 21	25	36.1	15-20
Helena, Ark.....	39	Mar. 18	(1)	49.2	2
Arkansas City, Ark.....	42	Mar. 22	(1)	51.8	6
Greenville, Miss.....	36	Mar. 23	(1)	45.5	6, 7
Vicksburg, Miss.....	43	1	(1)	46.7	15
Natchez, Miss.....	46	2	(1)	50.3	17-24
Angola, La.....	45	5	(1)	48.0	20-27
Baton Rouge, La.....	35	6	(1)	38.3	21, 22
Plaquemine, La.....	31	6	(1)	34.2	23, 24

1 Continued into May.

Table of flood stages in April 1935—Continued

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI—continued					
<i>Lower Mississippi Basin—Continued</i>					
Mississippi—Continued.	<i>Feet</i>				
Donaldsonville, La.....	23	7	(1)	30.0	25-27
Reserve, La.....	22	9	(1)	23.0	27-29
New Orleans, La.....	17	20	20	17.0	20
		22	22	17.0	22
		27	30	17.0	27-30
<i>Atchafalaya Basin</i>					
Atchafalaya:					
Melville, La.....	37	6	(1)	(1)	(1)
Atchafalaya, La.....	22	Mar. 15	(1)	24.3	20-30
PACIFIC SLOPE DRAINAGE					
Kings: Piedra, Calif.....	10	8	8	10.1	8
Sacramento:					
Red Bluff, Calif.....	23	8	8	23.65	8
Colusa, Calif.....	25	10	10	25.55	10
Knights Landing, Calif.....	30	9	11	30.2	10
Sacramento, Calif.....	27	8	9	28.6	8

WEATHER OF THE ATLANTIC AND PACIFIC OCEANS

[The Marine Division, W. F. McDONALD, in Charge]

NORTH ATLANTIC OCEAN, APRIL 1935

By H. C. HUNTER

Atmospheric pressure.—April pressure averaged below normal over most of the North Atlantic Ocean. In parts of the southeastern and northeastern areas, however, the pressure was above normal, particularly near Iceland, where Reykjavik showed a mean excess of 0.19 inch.

The highest pressure thus far reported is 30.48 inches by the Swedish steamship *Braheholm*, when near latitude 57° N., longitude 20° W., shortly before noon on the 2d. The lowest reading, 28.37 inches, was noted on the American steamship *Steelmaker*, near 49° N., 32° W., during the forenoon of the 8th.

TABLE 1.—Averages, departures, and extremes of atmospheric pressure (sea level) at selected stations for the North Atlantic Ocean and its shores, April 1935

Station	Average pressure	Departure	High-est	Date	Low-est	Date
	Inches	Inch	Inches		Inches	
Julianehaab, Greenland.....	29.89	-----	30.32	18	29.46	30
Reykjavik, Iceland.....	29.99	+0.19	30.44	2	29.61	15
Lerwick, Shetland Islands.....	29.75	-0.05	30.34	26	28.84	11
Valencia, Ireland.....	29.52	-0.07	30.35	28, 29	29.01	10
Lisbon, Portugal.....	30.11	+0.12	30.34	13	29.88	27
Madeira.....	30.08	+0.07	30.28	12	29.74	4
Horta, Azores.....	30.01	-0.14	30.26	17	29.74	9
Belle Isle, Newfoundland.....	29.71	-0.08	30.42	10	28.90	4
Halifax, Nova Scotia.....	29.90	-0.03	30.36	9, 11, 12	29.54	17, 28
Nantucket.....	29.84	-0.13	30.26	4	29.36	16
Hatteras.....	29.88	-0.13	30.18	26	29.48	21
Bermuda.....	29.94	-0.15	30.16	28	29.70	11
Turks Island.....	29.99	-0.03	30.07	1, 2	29.91	22
Key West.....	29.96	-0.06	30.18	14	29.81	7
New Orleans.....	29.94	-0.06	30.24	14	29.68	7

NOTE.—All data based on a. m. observations only, with departures compiled from best available normals related to time of observations, except Hatteras, Key West, Nantucket, and New Orleans, which are 24-hour corrected means.

Cyclones and gales.—During the period from the 7th to 16th, there was considerable storminess; otherwise there were few gales worth noting.

On the 3d the Dutch motorship *Manoeran* met two vigorous squalls, not quite an hour apart, in the north-central Gulf of Mexico.

Near the Strait of Belle Isle, on the 6th, a well-developed Low had begun to cause gales, and this center continued rather intense as it crossed the ocean to the vicinity of Ireland, by the 10th. The sole instance of hurricane force (12) was recorded during the night of the 7th-8th, by the British steamer *Lustrous* near 45° N., 34° W. A few hours later the lowest pressure of the month was noted by the *Steelmaker* in this vicinity as mentioned above.

Another Low, less intense, was northeast of Bermuda on the 11th and 12th, when fresh to whole gales were reported over a considerable area, mainly in latitudes lower than those where the strength of the earlier storm had been felt.

Still another Low caused gales near the middle coast of the United States on the 15th and 16th. The fortnight of April subsequent to this was mainly without strong gales, particularly the final week.

Fog.—Fog increased somewhat from the previous month over much of the North Atlantic, particularly in the vicinity of the Grand Banks and thence eastward along the chief lanes toward northern Europe to about the 20th meridian. On the other hand fog was less frequently met in the waters just southeastward of Nova Scotia and Maine.

The square from 40° to 45° N., 45° to 50° W., with fog on 13 days, leads all other squares in fog frequency. This is somewhat more than even the Grand Banks area shows in April, on the average. The period from the 15th to the 22d was especially marked in this area for prevalence of fog.

Near the east coast of the United States the square from 35° to 40° N., 70° to 75° W., reported a notably large amount of fog, 10 days in all, or almost twice as much as normal.

Dust.—Over much of the Gulf of Mexico and off the southeast coast of the United States dust was encountered during part of the second week of April in sufficient amount greatly to reduce visibility, in a few instances to about a mile. The wind at the time was usually blowing from points between northwest and north, but in one instance from the southwest. This report was from the

vessel in the most northern position of those reporting dust off the coast of the South Atlantic States. Dust was most frequently encountered on the 12th, but near the coast of Louisiana and eastern Texas the dust set in during the 11th, while in the central Gulf and off the South Atlantic coast the dust continued into the 13th. There was a very perceptible deposit on the decks and exposed structures of most of the vessels reporting dusty atmosphere.

SEVERE STORM IN SOUTH ATLANTIC

A report has come from British motorship *Alynbank* of a prolonged, intense storm met on the voyage from Bahia Blanca to Magellan Strait. During the evening of April 18 a southwest wind increased to gale force, and continued to grow stronger till noon of the 19th when it reached force 12 with the barometer at its lowest, 29.35 inches, the position being about 7 miles east-northeast of Cape Virgins light. The afternoon and evening of the 19th brought a slight abatement. In the early hours of the 20th, with the vessel far in the strait, the force fell to 5 and the direction turned to south-southwest.

OCEAN GALES AND STORMS, APRIL 1935

Vessel	Voyage		Position at time of lowest barometer		Gale began April	Time of lowest barometer April	Gale ended April	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Manoeran, Du. M. S.	Cristobal	New Orleans	24 12 N.	86 24 W.	3	6p, 2	3	29.92	W	SE, 3	NNW	W, 9	
Exarch, Am. S. S.	Casablanca	New York	35 47 N.	22 05 W.	3	Noon, 3	3	29.87	NW	NW, 7	NNW	NW, 8	W-NW.
Pontchartrain, U. S. C. G.	On ice patrol out from Halifax.		44 58 N.	48 07 W.	3	5p, 3	4	29.45	WSW	WSW, 7	W	WSW, 9	None.
Siamese Prince, Br. M. S.	Gibraltar	Halifax	41 06 N.	50 05 W.	6	3a, 7	7	29.26	SW	SSW, 10	NW	SSW, 10	S-SSW-NNW.
Boston, City, Br. S. S.	Fowey	Portland, Maine	44 01 N.	43 14 W.	7	9a, 7	7	28.93	S	WSW, 9	W	WSW, 10	S-WSW-W.
Cottica, Du. S. S.	Port au Prince	New York	36 54 N.	74 36 W.	7	Noon, 7	8	29.75	ENE	ENE, 7	ENE	ENE, 10	W-N-ENE.
Sarcosie, Am. S. S.	Bordeaux	do	45 10 N.	36 50 W.	7	5p, 7	8	29.11	SW	W, 10	NNW	W, 11	SW-W.
Lustrous, Br. S. S.	Port Arthur	Liverpool	45 00 N.	34 22 W.	7	Mdt, 7	8	29.14	W	W, 12	WNW	W, 12	None.
Pres. Roosevelt, Am. S. S.	Cobb	New York	47 48 N.	30 42 W.	8	10a, 8	9	28.69	SSW	SSW, 10	NW	SSW, 10	SSW-NW.
Steelmaker, Am. S. S.	Swansea	Portland, Maine	49 17 N.	31 52 W.	7	11a, 8	9	28.37	SE	SE, 4	NNW	SSE, 9	S-SE-N.
Pres. Harding, Am. S. S.	New York	Cobb	46 50 N.	32 20 W.	7	Noon, 8	9	28.77	S	WSW, 11	W	WSW, 11	None.
Aldecoa, Span. S. S.	Ceuta	Philadelphia	33 15 N.	32 52 W.	8	4p, 8	9	30.00	NW	SW, 4	NW	NW, 8	SW-NW.
Vistula, Am. M. S.	Oslo	New Orleans	45 20 N.	26 00 W.	8	4a, 9	11	29.19	WSW	WSW, 11	WNW	WSW, 11	None.
Mahsud, Br. S. S.	Boston	London	48 50 N.	20 00 W.	8	4p, 9	10	29.08	SW	WSW, 7	SW	SW, 10	None.
Boston City, Br. S. S.	Fowey	Portland, Maine	42 21 N.	56 11 W.	10	3a, 11	12	30.05	ENE	ENE, 8	ENE	ENE, 10	Steady.
Vistula, Am. M. S.	Oslo	New Orleans	41 15 N.	40 09 W.	12	9a, 12	14	29.80	NE	NE, 6	NE	NE, 10	None.
Aldecoa, Span. S. S.	Ceuta	Philadelphia	33 25 N.	50 06 W.	12	3p, 12	12	29.65	WSW	WSW, 8	N	WSW, 8	WSW-N.
Waukegan, Am. S. S.	New York	Havre	40 16 N.	64 07 W.	13	4p, 13	15	29.78	ESE	SSE, 8	S	S, 9	ESE-S.
Badjestan, Br. S. S.	Dantzig	Montreal	57 39 N.	20 00 W.	15	11a, 15	16	29.30	NNW	NNW, 7	NNW	NNW, 8	ENE-NNW.
Chester Sun, Am. M. S.	Smiths Bluff, Tex.	Philadelphia	34 05 N.	76 00 W.	15	4p, 15	15	29.21	NW	SW, 7	NW	NW, 8	SW-NW.
Tolosa, Am. S. S.	Kingston	New York	33 05 N.	74 55 W.	16	2a, 16	16	29.67	WSW	W, 8	W	W, 8	WSW-W.
Gulfwing, Am. M. S.	Las Piedras	Philadelphia	34 46 N.	75 05 W.	15	7a, 16	16	29.57	SW	N, 7	N	NW, 9	NW-N-NW.
Black Gull, Am. S. S.	Rotterdam	New York	49 45 N.	14 48 W.	16	8a, 16	17	29.54	W	W, 9	NW	W, 10	None.
Executive, Am. S. S.	Casablanca	do	36 34 N.	57 08 W.	19	8a, 19	19	29.72	W	SW, 6	W	W, 9	SW-W.
Pres. Harding, Am. S. S.	Cobb	do	51 25 N.	9 16 W.	20	Noon, 20	21	29.37	NNW	ESE, 3	N	NNW, 10	ESE-N.
Do	do	do	44 04 N.	41 20 W.	23	4p, 23	24	29.18	WNW	NW, 7	W	W, 9	SE-NW-W.
American Banker, Am. S. S.	London	do	45 35 N.	36 06 W.	23	11p, 23	23	29.23	SW	SW, 7	WSW	SW, 8	SE-SW-W.
City of Hamburg, Am. S. S.	Havre	Norfolk	42 08 N.	43 01 W.	27	6a, 27	27	29.32	NW	NW, 8	WNW	NW, 8	SSW-NW-WNW
NORTH PACIFIC OCEAN													
Golden Tide, Am. S. S.	Manila	San Francisco	39 25 N.	163 15 E.	1	6a, 2	2	29.48	SE	S, 7	S	SE, 9	SE-S-SW.
Tokai Maru, Jap. M. S.	Yokohama	Los Angeles	44 18 N.	166 08 E.	2	11p, 2	2	28.83	E	SW, 6	SW	SW, 8	E-SW.
New Westminster City, Br. S. S.	Moji	Vancouver	49 45 N.	173 10 W.	2	2a, 3	3	29.43	SSE	SSE, 9	SSE	SSE, 9	Steady.
Pres. Jackson, Am. S. S.	Victoria, B. C.	Yokohama	52 08 N.	169 00 W.	3	4p, 3	4	29.85	WSW	S, 7	S	SW, 9	S-WSW.
Silverhazel, Br. M. S.	Manila	Los Angeles	35 56 N.	142 30 W.	4	5p, 4	5	29.48	ESE	E, 6	ESE	ESE, 9	None.
Athelchief, Br. M. S.	Los Angeles	Yokohama	34 27 N.	146 52 E.	5	11p, 5	6	29.60	SSE	S, 9	SW	S, 9	SE-S-W.
Golden Peak, Am. S. S.	Otaru	San Francisco	42 12 N.	148 48 E.	6	10a, 6	6	29.01	W	W, 8	W	NW, 9	E-W-NW.
Pres. Jackson, Am. S. S.	Victoria, B. C.	Yokohama	43 05 N.	163 15 E.	7	6p, 7	8	29.47	SE	SW, 9	W	SSE, 11	SSE-SW-W.
Jefferson Myers, Am. S. S.	Yokohama	Los Angeles	39 45 N.	130 00 W.	7	2a, 8	8	29.77	NW	WNW, 8	NW	NW, 8	NW-WNW-NW
City of Elwood, Am. M. S.	Hong Kong	do	23 55 N.	118 35 E.	12	3a, 12	12	29.88	NE	NE, 9	NE	NE, 9	None.
Kentuckian, Am. S. S.	Balboa	do	16 07 N.	94 40 W.	13	4p, 13	13	29.88	NNW	NW, 8	NNE	N, 10	NNW-NW-N.
Olympia, Am. S. S.	Tacoma	Yokohama	44 24 N.	154 00 E.	13	6a, 13	13	29.49	NNW	W, 4	NW	NW, 9	SE-W-NNW.
Sanyo Maru, Jap. M. S.	Los Angeles	do	48 15 N.	163 52 W.	15	4a, 16	17	29.09	WSW	WSW, 9	W	WSW, 9	Steady.
Hiye Maru, Jap. M. S.	Yokohama	Vancouver	49 55 N.	158 06 W.	17	Noon, 16	18	29.01	W	WSW, 7	WSW	WSW, 8	None.
Yayoi Maru, Jap. S. S.	Miike, Japan	Port Townsend	46 32 N.	163 10 E.	17	3a, 17	18	29.20	S	S, 8	WNW	W, 10	2 points.
Shelton, Am. S. S.	Tacoma	Yokohama	52 50 N.	146 38 W.	17	9a, 17	18	29.97	W	SW, 7	W	W, 10	S-WSW-W.
Tymeric, Br. S. S.	Muroran	Portland, Oreg.	47 00 N.	163 50 E.	16	10a, 17	19	29.27	SSE	SSW, 9	WNW	W, 10	S-SSW.
Do	do	do	47 16 N.	177 05 W.	21	9a, 21	21	29.32	WSW	WSW, 8	W	W, 9	SW-W.
Do	do	do	47 38 N.	171 45 W.	21	2a, 22	22	28.83	ENE	NE, 11	NW	E, 12	E-NE-NNW.
Peter Maersk, Dan. M. S.	Los Angeles	Yokohama	40 00 N.	175 20 E.	27	4p, 27	29	29.36	SE	SSW, 7	NW	NW, 10	SSE-SSW-WNW.

1 Barometer uncorrected.